



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
13 JUNE 2003

Location:
LOCK AND DAM 13
UMR MILE 523.0

Effective Period:
SEE BELOW

In Reply Refer to:

For Navigation Issues : Bill Gretten, 309 794-4512 or Dennis Shannon,
309 794-4580

For Environmental Issues : Kevin Landwehr, 309 794-5578 or Charlene
Carmack, 309 794-5570

WATER LEVEL DRAWDOWN, MISSISSIPPI RIVER LOCK AND DAM 13, UMR MILE 523.0

The Rock Island District of the U.S. Army Corps of Engineers is initiating a modification of its normal regulation plan for Mississippi River Pool 13. This modification will involve lowering the pool level at Lock and Dam 13 by 1.0 foot below the normal summer flat pool elevation of 583.0 feet mean sea level (m.s.l.).

The District was requested to modify its operating plan by the Fish and Wildlife Interagency Committee (FWIC), a group comprised of representatives of Federal and State natural resource agencies having management responsibilities on the Upper Mississippi River System. The purpose of the modification is to stimulate increased production of aquatic and wetland plants for the benefit of fish and wildlife resources.

Initiation of the modification is expected to begin on June 16, 2003. As currently planned, lowering of the pool to the target elevation of 582.0 feet m.s.l. at the dam will take place over an approximate 5-day period. Once the target elevation is reached, the District will attempt to maintain the lower pool elevation for a continuous 30-day period. At the end of the drawdown period, the pool will be gradually returned to the normal summer operating level of 583.0 feet m.s.l. over a period of 5 to 10 days.

This modification is expected to be achieved if river discharges in Pool 13 remain at or above 50,000 cubic feet per second (cfs) throughout the time period indicated above. If the discharge drops below 50,000 cfs and is forecast to continue dropping, the District will return to the normal regulation plan to avoid potential impacts to commercial navigation.

Effects on river levels are expected to be greatest immediately above Dam 13 and should decrease with distance upstream from the dam. Residents and users of Pool 13 from Sabula, Iowa, south to Lock and Dam 13 will experience reduced water levels and increased velocity during this test period. Use of the navigation channel should not be affected by this modification.

Problems are not anticipated, but if any occur contact one of the following : For Navigation Issues : Bill Gretten, 309 794-4512 or Dennis Shannon, 309 794-4580 For Environmental Issues : Kevin Landwehr, 309 794-5578 or Charlene Carmack, 309 794-5570. Further information is provided on the reverse side of this Navigation Notice.

FOR THE DISTRICT COMMANDER:

Kenn R. Shoemaker, P.E.

Chief, Operations Division

MR 03-02

FACT SHEET

WATER LEVEL DRAWDOWN FOR ENVIRONMENTAL RESTORATION MISSISSIPPI RIVER, POOL 13

INITIATIVE: The Fish and Wildlife Interagency Committee (FWIC) has requested the Rock Island District for a temporary deviation in the regulation plan for Lock and Dam 13 at Fulton, Illinois, to benefit environmental resources. The FWIC requested that the District attempt a 1-foot drawdown below the normal operating band for a continuous 30 day period between the dates of June 15 and August 15, 2003.

ANTICIPATED BENEFITS: The drawdown is expected to increase moist soil plant production, promote sediment oxidation and compaction, and expand the photic zone for submersed vegetation, thereby providing conditions beneficial to fish and wildlife resources in the lower portion of Pool 13. Staff of the Rock Island District and the Environmental Management Technical Center (EMTC) estimated that approximately 440 acres in the lower pool could be dewatered by a 1-foot drawdown at the dam. Additional acreage could indirectly benefit from this action.

LIMITATIONS: In order to avoid closure of the navigation channel, or the need for additional dredging, the drawdown would only be conducted if the flow is between, and forecast to remain between, 50,000 and 110,000 cubic feet per second. Below 50,000 cfs the reliability of the navigation channel would be threatened, above 110,000 cfs open river conditions would prevail. Based on historical flow records, it appears that a continuous 30-day drawdown could be achieved in approximately one out of three years.

AUTHORITY: Because a 1-foot drawdown of Pool 13 would fall outside the authorized operating range for this pool, the District will request permission from MVD to deviate from the authorized operating plan. An Environment Assessment was prepared to address the effects of the proposed action and ensure compliance with NEPA and other applicable environmental laws and regulations. Although initially proposed as a one-time deviation, the potential exists for the drawdown to be implemented on a recurring basis in future years, if expected benefits are realized and no significant adverse effects occur.

OTHER AGENCY INVOLVEMENT: The FWIC's Water Level Management Subgroup, comprised of representatives from the U.S. Fish and Wildlife Service, the Iowa DNR, and Illinois DNR, with support from the Environmental Management Technical Center (EMTC) and participation by local representatives of Non-Government Organizations, formulated the proposal and is the primary point of contact. The Subgroup took the lead in public involvement, contacting local residents, and coordinating with local recreational groups. Representatives of the State resource agencies and EMTC initiated a monitoring program to measure environmental response to the drawdown.

TIME FRAME: The Environmental Assessment (EA) was completed in the spring of 1998. Implementation of the drawdown will be between June 16 and August 9, 2003. If flow conditions in Pool 13 do not allow successful implementation in 2003, it is expected that the drawdown could be attempted again in the following year.

RESULTS: The effects of the drawdown will be monitored by the state and federal resource agencies and the Environmental Management Technical Center. An assessment of the affected acreage and the drawdown's effects on terrestrial and aquatic habitats will be made by the FWIC, who will be responsible for distributing information to all interested parties. Assuming a drawdown is successfully implemented in the summer of 2003, results are not expected to be available until early 2004.

PAST RESULTS: a 1-foot drawdown of Pool 13 was established on June 21, 1998, and was maintained until July 3, 1998 when rising river levels forced the dam out of operation. The dam was returned to operation and the drawdown was re-established on July 11, 1998. On July 17, 1998, the decision was made to discontinue the drawdown due to declining flows. Normal operation of Lock & Dam 13 was resumed on July 21, 1998. A second attempt to establish a 1-foot drawdown of Pool 13 was initiated on July 9, 2001. This attempt was discontinued due to declining flows and normal operation of Lock and Dam 13 was resumed on July 15, 2001.



**US ARMY CORPS
OF ENGINEERS**
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
10 June 2003

Location:
**LOCK AND DAM 22,
UMR MILE 301.1**

Effective Period:
SEE BELOW

—
In Reply Refer to:
OD-MV

LOCK CLOSURE, LOCK AND DAM 22 MISSISSIPPI RIVER, UMR MILE 301.1

**LOCK No. 22, UMR Mile 301.1, will be closed to navigation from 0730 on
15 December 2003 to 0730 on 15 March 2004 for repair of all four miter gates.
The lock chamber will be bulkheaded and all four gates removed for repair
during this period.**

**Towboat operators are requested NOT to tie up on the guidewalls during
this closure period.**

FOR THE DISTRICT COMMANDER:

**George L. Hardison
Chief, Technical Support Branch,
Operations Division**